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Welcome to your
Pharmacology
offer holder event

School of Physiology, Pharmacology and Neuroscience

Pharmacology

Programme Director Professor Stuart Mundell

Welcome
Dr Steve Fitzjohn
Admissions Tutor

Content

- ✓ What and how will I study?
- ✓ Why study at Bristol?

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School of Physiology Pharmacology & Neuroscience Faculty of Life Sciences

B210 **BSc** Pharmacology (3 year)

B212 **MSci** Pharmacology (4 year)

B211 **MSci** Pharmacology with Study in Industry
(4 year)

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Year 1

Mandatory Units

➤ Pharmacology 1A

How do drugs interact with receptors

➤ Pharmacology 1B

What are the processes involved in drug design and development

➤ Physiology 1A

Learn how the different body systems work

Choose three optional units. Most popular choices:

(There may be limitations on combinations due to timetabling)

- Physiology 1B
- Biochemistry (2 units)
- Introduction to Neuroscience
- Cellular and Molecular Medicine
- The Science of Happiness

Year 1 marks
do not count
towards your
degree mark

Programme Enhancement Activities

In addition to mandatory units, we run a programme of activities to help support your transition to University and engagement with your subject

Students undertaking a first year practical in the teaching lab



Year 2

Mandatory Units:

- **Pharmacology of the Nervous system**
 - How do drugs interact with the nervous system?
- **Pharmacology of Body systems**
 - Learn about drugs affecting different parts of the body
- **Biomedical sciences skills unit**
 - Employability - C.V. and interview preparation
 - Data interpretation statistical analysis
 - Enterprise skills

Plus choose 3 optional units:

Most popular choices:

- Neurophysiology
- Integrative Physiology
- Cellular physiology
- Molecular genetics
- Or an open unit e.g. modern language, Big Ideas in Science

Your mean year 2
mark counts 25%
towards your BSc
degree mark



Year 1 and 2

How will I be taught?

You will take 3 units at a time in each teaching block

In **each unit** there are typically:

- 3 lectures a week
- 1 practical a week
- 1 tutorial/workshop every other week

Focus is on developing learning skills and understanding core concepts.

How will I be assessed?

End of unit assessments are held in January for teaching Block 1 units and in May/June for teaching Block 2 units

Typically:

- ✓ Exams count 70% and coursework 30%
- ✓ Some optional units are all coursework-based

Year 3 BSc

Three research-led units, chosen from e.g.:

- Receptor Signaling and Non-Drug Therapies
- Pharmacology of Ion Channels and Synaptic Transmission
- Pharmacology of the Nervous System

Skills unit

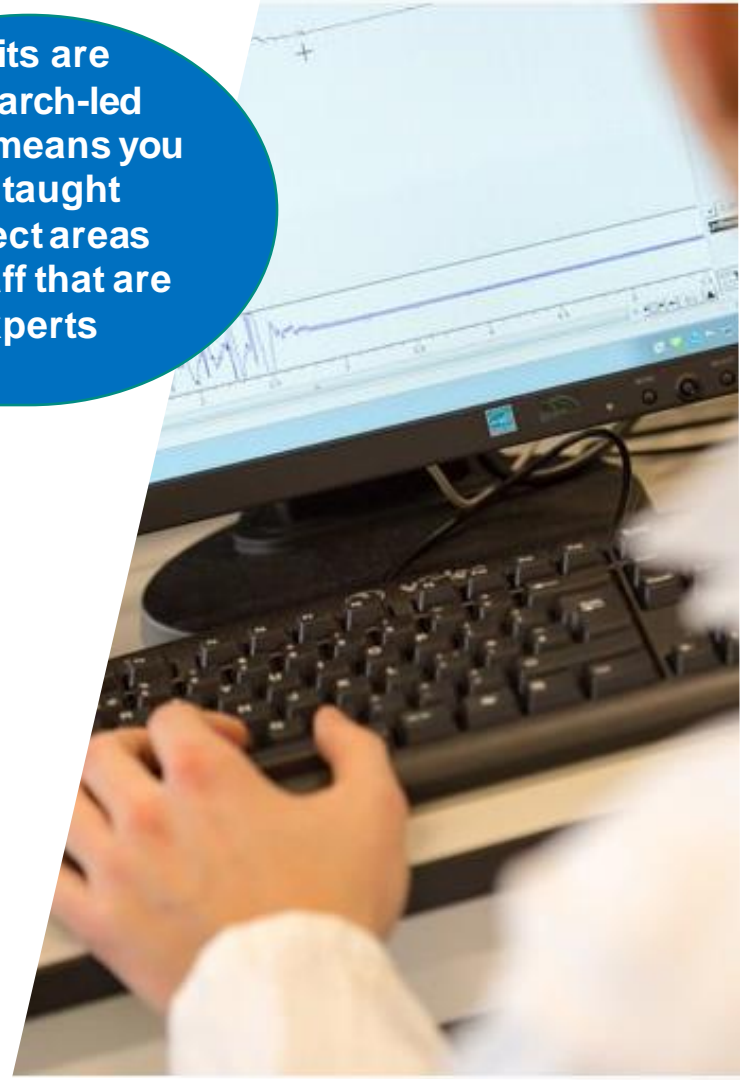
- Experimental design
- Data analysis
- Research papers

Research project

Experimental, data analysis, literature review

Assessment via:
coursework, unit
exams, project
dissertation and
project talk. 75% of
degree mark for
BSc

Units are
research-led
which means you
are taught
subject areas
by staff that are
experts



Year 3 BSc Research projects

There is a wide variety of different projects to choose from

Examples of previous projects:

- ❖ Designing reagents for Drugs of Abuse testing
- ❖ Intracellular calcium handling by atrioventricular nodal and atrial cells
- ❖ Glutamate receptors and cardiac function
- ❖ Characterising *Drosophila* models of Alzheimer's disease

Lab based
research

Data analysis

Literature review
and experimental
design



Year 4 MSci

Ideal if you are thinking of doing a PhD or research career

Units:

- Advanced project planning
- 14-week full time Research project
- Advanced creative communication
- Ideas and Enterprise

Focus is on:

- Project planning and execution
- Group work
- Communication skills

Minimum grade requirements

Year 1: 40
Year 2: 60
Year 3: 50
Year 4: 50

Final year Assessment via coursework .

Contributions of marks to degree

Year 1 – 0%
Year 2 – 10%
Year 3 – 40%
Year 4 – 50%



MSci with year in Industry

- Industrial placement taken between years 2 and 3
- Return to complete year 3 as in BSc
- Research project is replaced by a grant proposal task

Why do the year in Industry?

- Experience how the Biomedical industry operates
- Would you enjoy full-time research?
- New skills: teamwork, target setting and meeting deadlines
- Financial benefits

Apply for
placements
during second
year

Contributions of marks to
degree

Year 1 – 0%

Year 2 – 15%

Year 3 – 10%

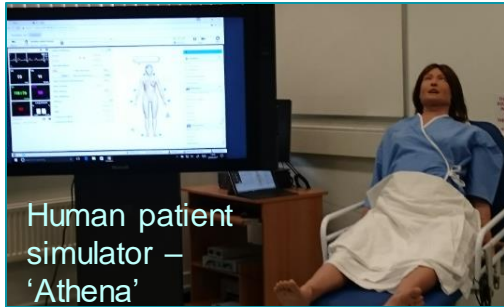
Year 4 – 75%

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Why Study Pharmacology at Bristol?

Continual commitment to excellence in Teaching and Research

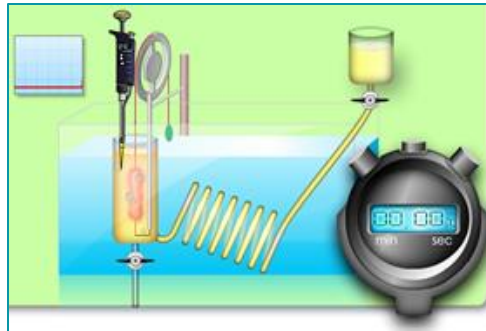
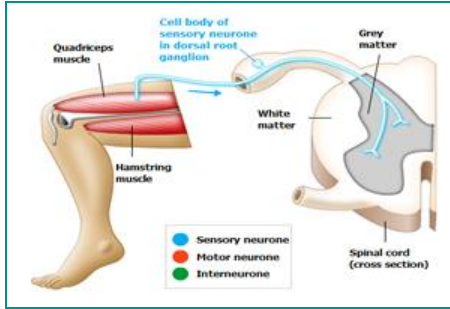


Human patient simulator – 'Athena'

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On-line resources to support practical teaching'



Virtual microscope



Why Study Pharmacology at Bristol?

- Small cohort -
- Excellent support
- Programme Enhancement Activities
- We support your transition to university
- Innovative teaching

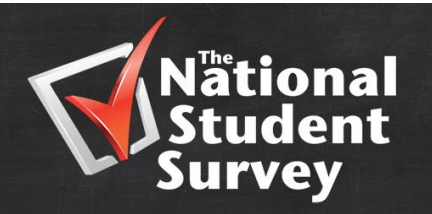
UNISTATS

Compare official course data
from universities and colleges

Guardian 2020
Pharmacology 5th
Anatomy and Physiology 4th

2019

- ✓ Pharmacology: **95%** - overall satisfaction
- ✓ Physiological science: **100%** - Staff are good at explaining things
- ✓ Neuroscience: **95%** - staff are good at explaining things



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Thank
you

Any questions?